

Appendix

Version With Markings to Show Changes Made

In reference to the amendments made herein to claims 2, 3, 4, 6, 7, 9, 14, 15, and 17, additions appear as underlined text, while deletions appear as bracketed text, as indicated below:

In the Claims:

Please amend claims 2, 3, 4, 6, 7, 9, 14, 15, and 17 as follows:

2. (Amended) [The non-human mammal of claim 1] A non-human mammal showing a phenotype of autoimmune disease through production of an antibody reacting to an antigen protein for an autoimmune disease or T cell activation, wherein immune cells from a non-human mammal lacking an antigen gene for the autoimmune disease have been transplanted to the non-human mammal.

3. (Amended) [The non-human mammal of claim 1] A non-human mammal showing a phenotype of autoimmune disease through production of an antibody reacting to an antigen protein for an autoimmune disease or T cell activation, wherein immune cells from a non-human mammal that lacks the antigen gene for the autoimmune disease and that has been immunized with the antigen protein have been transplanted to the non-human mammal.

4. (Amended) The non-human mammal of claim 2 [or 3], wherein the immune cells are transplanted to an immunodeficient non-human mammal.

6. (Amended) The non-human mammal of [any one of claims 2 to 5] claim 2, wherein the immune cells are splenocytes.

7. (Amended) The non-human mammal of [any one of claims 1 to 6] claim 2, wherein the autoimmune disease is pemphigus vulgaris.

9. (Amended) The non-human mammal of [any one of claims 1 to 8] claim 2, wherein the non-human mammal is a rodent.

14. (Amended) The method of [any one of claims 11 to 13] claim 11, wherein the immune cells are splenocytes.

15. (Amended) The method of [any one of claims 11 to 14] claim 11, wherein the autoimmune disease is pemphigus vulgaris.

17. (Amended) The method of [any one of claims 11 to 16] claim 11, wherein the non-human mammal is a rodent.

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